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NGEP is localized in cell-cell contact regions

Expression of NGEF-L causes aggregation of LnCAP cells.

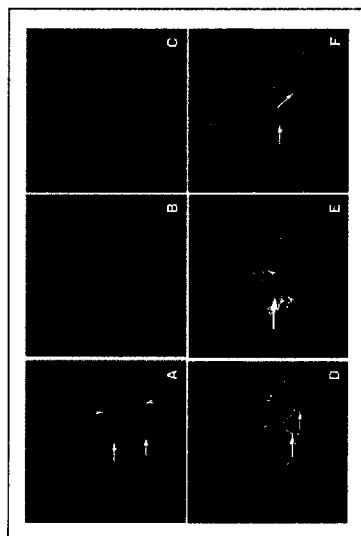


Fig. 2. NG2P-L is present in the cell-cell contact regions in the LNCaP-NGCEP cells.

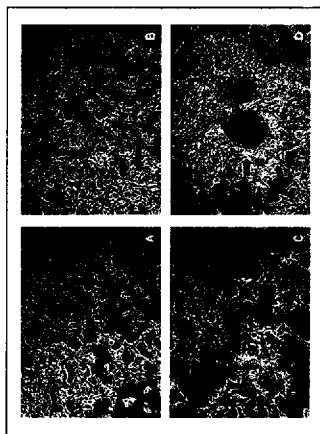


Fig. 4. Expression of NGEF-L in the LNCaP cells causes the aggregation of the cells.

Immunohistochemical analysis of NGEF-L with Mab 19C3.

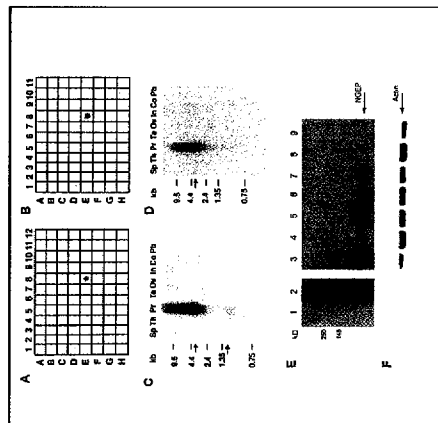
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Fig. 3. Location of NGEP-L in prostate.

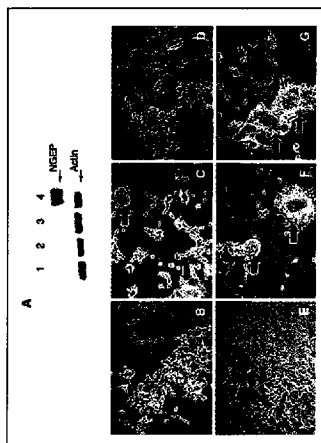


Fig. 5. NGEF-L siRNA mediated gene silencing in LNCaP-NGEP cells reverses the aggregation phenotype.

Western blot analysis of the NGEF-1 protein expression was done after 2, 4, and 6 d of transfection with RNAi. The control RNAi (GL2-Luc) was used in parallel to test potential nonspecific effects of the short RNAi duplexes. The action expression was used as internal standard of protein concentration on each lane. Phospho-tyrosine antibodies recognizing the NGEF-1 protein were used to detect the NGEF-1 protein expression in cells transfected with growing LNCaP cells transfected using NGEF gene silencing. LNCaP-NGEF cells transfected with siRNA-NGEF at day 4 (A) and day 6 (B) were compared with control RNAi (GL2-Luc) at day 4 (C) and day 6 (D). The cells transfected with siRNA-NGEF at day 4 (E) and day 6 (F) were compared with control RNAi (GL2-Luc) and in the cells transfected with siRNA-NGEF at day 4 (G) and day 6 (H). Arrows, clumps of cells present in the LNCaP-NGEF and in the cells transfected with siRNA-NGEF at day 4 (G) and day 6 (H). The clumps disappeared in cells transfected with siRNA-specific to NGEF-1.

References

- ## References
1. Bera TK, Das S, Meeda H, Beers R, Wolfgang CD, Kumar V, Hahn Y, Lee B, Pastan I, Proc Natl Acad Sci U S A. 2004;101(9):3059-84.
2. Das S, Hahn Y, Nanda S, Willingham MC, Bera TK, Lee B, Pastan I. Cancer Res. 2007 Feb 15;67(4):1594-601.